

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 22, 2003, 15:02:23 ; Search time 29 Seconds
(without alignments)
510.648 Million cell updates/sec

Title: US-09-745-506-37

Perfect score: 1799

Sequence: 1 MDKALISLNDPASTISFAE.....LENKINILSETDRDLQYV 350

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCFUS_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfillsl.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	320.5	17.8	378	4	US-09-107-532A-4742 Sequence 4742, Ap
2	305	17.0	367	4	US-09-134-001C-3678 Sequence 3678, Ap
3	106	5.9	256	4	US-09-252-991A-24651 Sequence 24651, A
4	102	5.7	262	4	US-09-328-352-4482 Sequence 4482, Ap
5	101	5.6	673	4	US-09-146-053-2 Sequence 2, Appl1
6	97.5	5.4	409	4	US-09-252-991A-28680 Sequence 28680, A
7	96.5	5.4	493	4	US-10-002-593-10 Sequence 10, Appl1
8	96.5	5.4	588	4	US-09-328-352-7994 Sequence 7994, Ap
9	94.5	5.3	251	4	US-09-198-452A-156 Sequence 156, Appl
10	92	5.1	804	4	US-09-134-001C-5218 Sequence 5218, Ap
11	91	5.1	735	4	US-09-134-001C-3440 Sequence 3440, Ap
12	90	5.0	595	4	US-09-328-352-4432 Sequence 4432, Ap
13	90	5.0	1058	4	US-09-328-352-4276 Sequence 4276, Ap
14	89.5	5.0	2512	2	US-08-801-263A-9 Sequence 9, Appl1
15	89.5	5.0	2512	2	US-09-102-248-9 Sequence 9, Appl1
16	89.5	5.0	2512	2	US-09-102-248-9 Sequence 9, Appl1
17	88.5	4.9	498	2	US-08-702-598-2 Sequence 2, Appl1
18	88.5	4.9	498	2	US-08-702-598-2 Sequence 2, Appl1
19	87.5	4.9	800	3	US-08-776-265-3 Sequence 3, Appl1
20	87	4.8	355	4	US-09-134-001C-5391 Sequence 5391, Ap
21	86.5	4.8	490	4	US-09-252-991A-18962 Sequence 18962, A
22	86	4.8	498	3	US-09-134-607A-19 Sequence 19, Appl1
23	86	4.8	514	4	US-09-328-352-6997 Sequence 6997, Ap
24	86	4.8	729	4	US-08-887-534A-30 Sequence 30, Appl1
25	86	4.8	911	3	US-09-527-431-30 Sequence 30, Appl1
26	85.5	4.8	1116	4	US-09-356-952-6 Sequence 6, Appl1
27	85	4.7	395	1	US-09-252-991A-32442 Sequence 32442, A
					Sequence 5, Appl1

28	85	4.7	837	2	US-08-680-326-117 Sequence 117, App
29	84.5	4.7	501	2	US-08-577-492-40 Sequence 40, Appl
30	84.5	4.7	501	3	US-09-079-630-40 Sequence 40, Appl
31	84.5	4.7	701	4	US-09-252-991A-23288 Sequence 23288, A
32	84	4.7	412	2	US-08-463-081B-14 Sequence 14, Appl
33	84	4.7	412	2	US-08-461-379A-14 Sequence 14, Appl
34	84	4.7	412	2	US-08-462-390B-14 Sequence 14, Appl
35	84	4.7	412	3	US-08-463-074B-14 Sequence 14, Appl
36	84	4.7	412	3	US-08-465-585C-14 Sequence 14, Appl
37	84	4.7	412	3	US-08-462-446-14 Sequence 14, Appl
38	84	4.7	412	4	US-09-462-624-2 Sequence 2, Appl1
39	83.5	4.6	481	1	US-08-286-856C-2 Sequence 2, Appl1
40	83.5	4.6	481	1	US-08-472-831-2 Sequence 2, Appl1
41	83.5	4.6	498	4	US-09-328-352-7983 Sequence 7983, Ap
42	83.5	4.6	506	1	US-08-286-856C-3 Sequence 3, Appl1
43	83.5	4.6	506	1	US-08-472-831-3 Sequence 3, Appl1
44	83	4.6	599	3	US-09-080-983-9 Sequence 9, Appl1
45	82.5	4.6	389	2	US-08-820-170A-13 Sequence 13, Appl

ALIGNMENTS

RESULT 1
US-09-107-532A-4742
Sequence 4742, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS: GENOME THERAPEUTICS CORPORATION
ADDRESS: 100 Beaver Street
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Arlinoello, Pamela Deneka
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 4742:
SEQUENCE CHARACTERISTICS:
LENGTH: 378 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc.feature
LOCATION: (B) LOCATION 1...378
SEQUENCE DESCRIPTION: SEQ ID NO: 4742:
US-09-107-532A-4742

Query Match	17.8%;	Score 320.5;	DB 4;	Length 378;
Best Local Similarity	25.2%;	Pred. No. 1,16-24;		
Matches	100;	Conservative	80;	Mismatches 134; Indels 83; Gaps 16;

QY	4	KALLISINDPASLSFAESMDNVGL----	LYEPPPHVNTLFTNDLTEEYMEEVLQKKA	59
Db	11	RTFIQKRESYCPQWLAEEGDPVGLHIGTLDP----	IQRYMMTLDPVREVEEFAIKRKI	65
QY	60	DLISYHPPIFRPKRITMTWTKERLYIRALENVGIRSPHTVADAAGQNNMLAKIG		119
Db	66	DLIAKHPPIFRPKRLVTDPOQEKMYADLKHDIAYAAHTNMDIINDGLDNFCCELLG		125
QY	120	-----ACTSNPIHPSKAPNYPTEGNHREVENYNTODLDYMSAVKG-----	IDGVSVT	168
Db	126	IEVESYLVKTHEIHYKLAAY-----	VPVDAQMKRELYLAAGAAGTGGDYGTST	176
QY	169	SFS-----	ARTGNEQOTRLNCTQKALMQVYDFLSRNKQLYOKT-----	208
Db	177	SIGHGRETPPEAGAPAIQKVKGTED-----	VOEAKREVILPETIEKQVIOAMRSAPHY	229
QY	209	-----ELISLEKPLILHTGMGRCLTLDSEVSATAMIDIKIRHLKISHRILMALGVRTES		263
Db	230	EEPAVYDLFAIDEPYEMF--GLGRVGEIPEQITIEAFVEQYKAFQDGLGRIV--	QPKNAKS	286
QY	264	QVKVVALQSGSSSVL--QGV--EADLYLTGEMSHHDTLDAASQGINVI-----	LCGEH	312
Db	287	SVKRIALICGSGGEKFYFQPAIARADVYITGGIYVHTHADMQSAGLIAIDPGHYESTLQKQ		346
QY	313	SNFERGLSDLRDMIDSHLEN-KINIIISLSEDRDPLQ		348
Db	347	REIEK-FESMKQE-----ENMDINFEVSEINTNDFQ		376

```

RESULT 2
US-09-134-001C-3678
; Sequence 3678, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucelte-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GPC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3678
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3678

Query Match      17.0%; Score 305; DB 4; Length 367;
Best Local Similarity 24.3%; Pred. No. 4.2e-23;
Matches 96; Conservative 76; Mismatches 145; Indels 78; Gaps 13;

QY      1 MDKALLSLNDPDSLSPFASPSMDVNGILYFSPRTVTMLFLTNLTJEEVMEVYLQKAD 60
        2 KWISELMEVLNNHVPFHQAESMDVNGILLI-GNDKIDITGILTTDCTDYNQALIELNTN 60
        3 KWISELMEVLNNHVPFHQAESMDVNGILLI-GNDKIDITGILTTDCTDYNQALIELNTN 60
QY      61 LILSYHPPIFPMPKRTITWNKERLYIRALENRVIGSPHPYADAPQGVNNMLAKGCA 120
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Db      180 DASVYICKLDSIEVDEIKLEEMIKONE-----LEIRKRALIDNHPEYEPVDFIKANKE 234
QY      204 LYOKTELLSEKRPILLHTGMGRCLCTDESVSLATMIDIRIKRLKLSIRLALGVGRLES 263
Db      235 -----SEYGLIIGQLNOTWTLDEFSEYAKQJONIPSVRY---TGQH-DS 275
QY      264 QKVVAALCAGSGSSVLOGVE-----ADLYLIGEMSHHTDLAASGINVILCEHSNTE 316
Db      276 PIKVVALLIGSGI----GFYEYKASQLADADVFTGDIKHHADLAKIQNVILDIH- YSE 330
QY      317 RGLSLDRLMIDLSH---ENKINIILSETDRPIQ 348
Db      331 YVMKEGLKELLEKWLFRYENQPIYVASEINTDPFK 365

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RESULT 3
 US-09-252-991A-24651
 : Sequence 24651, Application US/09252991A
 : Patent No. 6551795
 : GENERAL INFORMATION:
 : APPLICANT: Marc J. Rubenfield et al.
 : TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 : TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 : FILE REFERENCE: 107196.136
 : CURRENT APPLICATION NUMBER: US/09/252,991A
 : PRIORITY FILING DATE: 1999-02-18
 : PRIOR APPLICATION NUMBER: US 60/074,788
 : PRIOR FILING DATE: 1998-02-18
 : PRIOR APPLICATION NUMBER: US 60/094,190
 : PRIOR FILING DATE: 1998-07-27
 : NUMBER OF SEQ ID NOS: 33142
 : SEQ ID NO 24651
 : LENGTH: 256
 : TYPE: prt
 : ORGANISM: *Pseudomonas aeruginosa*
 : US-09-252-991A-24651

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Query Match Similarity 5.9%; Score 106; DB 4; Length 256;
Best Local Similarity 19.1%; Pred. No. 0.01;
Matches 63; Conservative 40; Mismatches 124; Indels 102; Gaps 9;

Dd 3 LKALLSSINDPASFASFESMDNVGLLVEPSPHPTVNTFLTNDLTEEVEEVIQKKADLI 62
      | | : : : : | | | | : : : : | | : : : : | | : :
9 LSTLVEEDRDYLDARIDQYCPNGIQYVGRP--QVRRIVSGVTSQAQLDAAEADADV 66
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
Dd 63 LSYHPPIETRPKRRTWTWKEKRLVIRALENVGIYSPTATDAPO-GVNNWILAKGAGAC 121
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
67 LVHHGFEFKKGGENPCVVG-MKORRLKTLNNDISLAYHLPLDLPHEVANNQIAROLFEE 125
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
Dd 122 TSRLPHPSKARNYPTEGNHRHYEFNNYNTQDLDKWSAVKIGDVSYSFSARTGNEQTR 181
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
126 VEGLEP-----GNPR-----S 137
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
Dd 182 INLNCTOKALQVVDYFLSRNKOLYQKTEILSLERPLILHTGMGRCLTDESVSATMIDR 241
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
138 IYLGSLAEPPQPADFAHRYVDALGR-----EPILVDAG----- 171
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
Dd 242 IKRHLKISHIRLALGVGRTLESQYKVAALCAGSSSVL-QGVEA--DLYLTGEMSHDYL 298
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
172 -----QPIRRIAMCTGAGQYIDQAIAGAVDAYLTGGEVSEQTVA 210
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
Dd 299 DAASOGIVVILCHSNTERGFLLSDLRML 327
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :
211 SARENGISFIAAGHHATERYGVQALGDYL 239
      | | : : : : | | : : : : | | : : : : | | : : : : | | : :

RESULT 4
US-09-328-352-4482
; Sequence 4482, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.

```

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
 ; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: GTC99-03PA
 ; CURRENT APPLICATION NUMBER: US/09/328,352
 ; CURRENT FILING DATE: 1999-06-04
 ; NUMBER OF SEQ ID NOS: 8252
 ; SEQ ID NO 4482
 ; LENGTH: 262
 ; TYPE: PRP
 ; ORGANISM: Acinetobacter baumannii
 US-09-328-352-4482

Query Match 5.7%; Score 102; DB 4; Length 262;
 Best Local Similarity 18.3%; Pred. No. 0.028;
 Matches 62; Conservative 39; Mismatches 105; Indels 132; Gaps 13;

QY 6 LLSLNDFAASLFAESW-DNV-----GLLVESPPHTVTLFLNDLDEEYME 52
 DB 4 LNSGNIMANLHIIQMCQDTLKAEFKDYAPNGIQEGST--EVKRIICNVASDAID 61
 QY 53 EYLQKKAADLLSYHPIFR---PMKRITMTWKELVIRALENRYGIYSPHTADAPQ 108
 DB 62 AAIKADADLLVHGHFTMGEPYITGMGNRIK---KLQNNISLVAHLPDLAHP 116
 QY 109 -GVNNMLAGLACTSRPI-----HPSKAPNYPEEGNHRYEFVNTQDLKVSAMKGI 162
 DB 117 LGNNIAIAKKNLQNLPELDLTKHPIG-----NIGILE----- 150
 QY 163 DGVSYTSFARTEGNEQTRINLNCCTOKALMOVVDLFSRNKOLYOKTEIISLEKPLLIHTG 222
 DB 151 QALSYEEFKAK-----LQNGFDK---KVHLPKESQSIQK----- 182
 QY 223 MGRILTLDSVSLATMIDRIKRLKLSHRLAIGVRTLESQKVAALCAGSSSVLQGV 282
 DB 183 -----VGFCGGAQDPIAKA 197
 QY 283 ---EADLYLTGEMSHHDTLDAASQGINVILCEHSNTER 317
 DB 198 ALQNCDAVYISGEVSERTFEAKELSVHYFACGHNAER 235

RESULT 5
 US-09-146-053-2
 ; Sequence 2, Application US/09146053A
 ; Patent No. 6399349
 ; GENERAL INFORMATION:
 ; APPLICANT: Ryan, James W.
 ; APPLICANT: Sprinkle, Terry Joe Curtis
 ; APPLICANT: Venema, Richard C.
 ; TITLE OF INVENTION: Human Amino peptidase P Gene
 ; FILE REFERENCE: MCG103
 ; CURRENT APPLICATION NUMBER: US/09/146,053A
 ; CURRENT FILING DATE: 1998-09-02
 ; EARLIER APPLICATION NUMBER: 60/057,854
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 673
 ; TYPE: PRP
 ; ORGANISM: Homo sapiens
 US-09-146-053-2

Query Match 5.6%; Score 101; DB 4; Length 673;
 Best Local Similarity 19.9%; Pred. No. 0.16;
 Matches 70; Conservative 55; Mismatches 121; Indels 106; Gaps 16;

QY 20 ESDNDVGLVESPPTVTLFLNDLDEEYMEVLQKADLLI-SYHP-----PIPRPM 73
 DB 164 DTVESYDLAQSNRLQVS---ITTNL-----VDLVGSRPVPVQPIYALQ 208
 QY 74 KRITMTWKERLVIRALENRYGIYSPHTADAPQV-----NMNLAIGLACTSRPI 126

DB 209 EAFGTSMQEKV-----SGVRSQMQRKHQVPTAVLLSALEETAVLNF-----L 251
 QY 127 HPSKAPNYPEEGNHRYEFVNTQDLKVSAMKGIQGVTSFASATGNEBOTRILNC 186
 DB 252 RASDIPYNP-----FFYSYTLTLD-----SSIRLFANKSRFSSETLSYLSSC 294
 QY 187 TOKALMOVVDL-----LSRNKOLYOKTEIISLEKPLLIHTGMGRILCT 228
 DB 295 TGPACVQIEDYISOVRDSIQAYSLGDVRIWIGTITMGIEMTPREK-----L 342
 QY 229 LDESVSATMIDRIKRL-----LKLSHIRLALGVGR--TLSESQKVAALCAGSSSVLQ 280
 DB 343 VTDQTSYVMTKAVKNSKEQALAKASHVRDAVAVIRLVMLEKRVPGTDESGAETVD 402
 QY 281 GVEADLYLTGEMSHHDTLDAASQGINVILCEHSNTE---RGLSLDLRMDIS 329
 DB 403 KFRGEQFSSGSPS-FETISAS--GLNALAHYSPTELKRLKSSDEMYLDS 451

RESULT 6
 US-09-252-991A-28680
 ; Sequence 28680, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 28680
 ; LENGTH: 509
 ; TYPE: PRP
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-28680

Query Match 5.4%; Score 97.5; DB 4; Length 509;
 Best Local Similarity 24.8%; Pred. No. 0.24;
 Matches 52; Conservative 41; Mismatches 70; Indels 47; Gaps 12;

QY 135 PTBSNHRVEPVNNTQDLKVSAMKGIQGVTSFASATGNEBOTRINLNCCTOKALMOV 194
 DB 199 PDG--RISLRVG-GREVDIRVSTLPSANGERVV--LRLLDKOAGRLLN-----CH 244
 QY 195 VDLFSRNKOLYOKTEIISLEKPLLIHTGMGRILCTL-----DESVSATMIDR 241
 DB 245 LQMSERDKLMDET---VAKPHGILVYGTGSGKTTLYLASLTTLNDRIRLIVEDP 300
 QY 242 IKRHLKLSHRLAIGVRTLESQVY--VALCAGSSSVLQGVADLYLTGEMSHHDTLDA 300
 DB 301 IEYHLE-----GIGCT--QVNAKVDMTFARLAILROBDVYVGEIRDRETAEI 349
 QY 301 ASQ-----GINVILCEHSNTERGFLSLDRM 326
 DB 350 AVOASLGHVLYSLTHTNSAIGAITRLVDM 379

RESULT 7
 US-10-002-593-10
 ; Sequence 10, Application US/10002593
 ; Patent No. 6586198
 ; GENERAL INFORMATION:
 ; APPLICANT: Vanderbilt University
 ; APPLICANT: Brown, Nancy J.
 ; TITLE OF INVENTION: BIOLOGICAL MARKERS AND DIAGNOSTIC TESTS FOR ANGIOTENSIN CONVER
 ; FILE REFERENCE: Atty Docket No. 6586198 1242/48/2
 ; CURRENT APPLICATION NUMBER: US/10/002,593

ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5218

Query Match 5.1%; Score 92; DB 4; Length 804;
Best Local Similarity 17.5%; Pred. No. 1.8; Indels 142; Gaps 15;
Matches 67; Conservative 61; Mismatches 113

QY 8 SSLNDFAISLFAESMDNGLVE-----PSPPHTVN-TLFLTNDLTSEVMEYLOK 57
DB 84 SSYVD-AMVRLSGDWLRLHVLLEMGNNSIDNDPPAAKRYTAKLSQSEELRDINKE 142
QY 58 KADLLISHPPIPRPKRTTWTNTERLVIRALENRVIGYS-----PHT----- 101
DB 143 TVSFIPNYDDTLEPM-----VLPARFPLLLINGSTGSSGYATDIPPHNLAEVIGTL 196
QY 102 AYDAAPQGVNNMLAKGLGACTSRPIHPSKAPNYETSGNHVENVNTQDLQVMSAVRG 161
DB 197 KYIDPDITINOLMKYI-----KGPDPETG-----ITQG 226
QY 162 IDGVS-----VTSFARTGNEE--QTRINLCTOKALMQVDFLSRNKOL 204
DB 227 IEGIKAYETGKGKVVVRSDVEPLRSGRKQLIVEIPEVAKSSLVKRIDELRADKK- 285
QY 205 YOKTEILSLKPLILHTGRLCTLDSEVSLATMDIRKRLHLSHIRLALGVGRLESO 264
DB 286 -----VDGIYEVRDETR-----TGLRIAIELKRDANS- 313
QY 265 VKVVALCAGSSVVLGVEADLYLJGEM--SHHDTLDASOGINVLCEHSNTERGLSD 322
DB 314 -----ESIKNYLYKNSDLQISTYFNVAALSEG-----RPLMG 346
QY 323 LRDMLDLHLENKINIILSETDRD 345
DB 347 LRILIESYLNHQIEVVTNRTRYD 369

RESULT 11
US-09-134-001C-3440
Sequence 3440, Application US/09134001C
Patent No. 6380370

GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3440
LENGTH: 735
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3440

Query Match 5.1%; Score 91; DB 4; Length 735;
Best Local Similarity 20.7%; Pred. No. 2;
Matches 86; Conservative 58; Mismatches 161; Indels 110; Gaps 17;

QY 16 LSFAESMDNGLVLEPSPPHTVNTLFLTNDLTFEEVMEYLOKADLLSYHPIER--PM 73
DB 319 MAFSEGESMLVLEGTQOKFLDLFNKHELSAVIGEYTDIDR-FVLYTDEVDYADIPV 377
QY 74 KRIT-----NTWK-----ERLVIRALENRVIGYSPHTAYDAPO--G 109
DB 378 OPLADEAPYVILEGEKEKNTSKNDYSNIDVHTFKLQHP-ISKHHLVYQYDQOYG 436
QY 110 VNNMLAKGLGACTSRPIHPSKAPNYETSGNHVENVNTQDLQVMSAVKGDVSVTS 169
DB 437 ANTIIRKGLQASVVRVEGTOKAIASTIDEARVFNQPEGGKMYVAEAVRNLIAGAMP 496

QY 170 FS-----ARGNEBOTRI--NLNCTOKALMQVDFL-----SRNKOYOKTEILS----- 212
DB 497 LAMTDCLNIGSPKPEKTEYQOLIDSTKMSBACVLOTPIVSGVSLXNTRGTSIPTPV 556
QY 213 -----LEKPLILHTGMG--RLCTLDE 231
DB 557 VGMVGLIEDVSYLKEFKPKAGDKIYLVGETRDDPGGSQLEK--LLGVSVHFEESIDSLD 614
QY 232 SVSLATMDIRKRLHLKLSHRLALGVGRLESQYKVALCAGSSVVLGVEADLYLTC 291
DB 615 EVSKGRILKQALINGIASHOQ-TVGKGGLLYTLAKISA-----HYDLMOAQOLDVTA 666
QY 292 MSHHDTLDASOGINVLCEHSNT-----ERGFIS--DLRMDLSHLENKINI 337
DB 667 QLRSF-----QGRYIVYVVEGDTLDDQAEIHLHTHQLFDLSNDVAKIKENV 716

RESULT 12

US-09-328-352-4432
Sequence 4432, Application US/09328352
Patent No. 6562958

GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTE
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 4432
LENGTH: 595
TYPE: PRT
ORGANISM: Acinetobacter baumannii
US-09-328-352-4432

Query Match 5.0%; Score 90; DB 4; Length 595;
Best Local Similarity 20.1%; Pred. No. 1.8;
Matches 54; Conservative 45; Mismatches 95; Indels 74; Gaps 11;

QY 112 NMLAKGLACTSRPIHPSKAPNYETSGNHVENVN-----YTQDLQVMSAVKGI 162
DB 216 DWILOAFEQSADIDHNE-----PRKNGVRRRIDVLTHTIYNMPSNTLTAVISRIKIL 270
QY 163 DGVSYS-----FSARTGNEOYRINLCT-----OKALMQV--DPLSRNKO----- 203
DB 271 GRILNAEKRRPQGRKLTTPKQOETELRLSTLPTAGEKLVMRIPDVLVNSFOOLGF 330
QY 204 -----LYOKTEILSLKPLIL--HTGMRCLTL-----DEVSLATMDIRK----- 243
DB 331 DQSLQOQWQRIITNSHIIIVTGPISGKTTTLTYSSLKQLATQDVNVCTIEDPLEMPS 390
QY 244 -RHKLSHIRLALGVGRLESQYKVALCAGSSSVVLGVEADLYLTCGSHHDT-----L 298
DB 391 FNMQOVNH-----AIEIGFADVRLALMRODDPIIMIGEIRDDTANMAI 434
QY 299 DAASOGINVLCEHSNTERGLSLDRDM 326
DB 435 QAAITGLHLVLTHTNDAPSSLTRLHDL 462

RESULT 13

US-09-328-352-4276
Sequence 4276, Application US/09328352
Patent No. 6562958

GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTE
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252

TELEFAX: 919-881-3175
 ; INFORMATION FOR SEQ ID NO: 9:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2512 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-09-102-248-9

Query Match 5.0%; Score 89.5; DB 3; Length 2512;
 Best Local Similarity 18.6%; Pred. No. 21;
 Matches 71; Conservative 50; Mismatches 134; Indels 137; Gaps 15;

QY 30 EPSPPHTVMTLEFLTNDLTEEYME-EVLQKKADLILSYHPPIFRPMKR-----ITWN 79
 Db 1908 DTGPGHLQKKSVLQNLTEPTLERNLIER-----IHAVLDTSKEQQLKRYQMMPTE 1960
 QY 80 TWKERLVITALENRVGIYSPHTAYDAPOGVNMLAKGLGACTS-----RPI 126
 Db 1961 ANKSRYSQSRKVENOKAITTER-----LTGLRLYNSATDQPCYKITYPKPL 2007
 QY 127 HPSKAP-----NTPPEGNHRVEFNVTQDDDKVMSAVKIGDGSV 167
 Db 2008 YSSSVFANTSDPOFAVAVCNNTLHENYPTVASYQI--TDEYDAYLDMVDGFWACLDYATP 2065
 QY 168 TSESARTGNNEQ-----TRINLCTOKALMQVDFLSRN 201
 Db 2066 CPAKLRSYPRKHEHYRAPNIRSAVPSAMQNTLQNVLIATIRKNCNVQMRLEPFLDSNTFN 2125
 QY 202 KOLYOK-----TEILSL-----EKPILLHTGMGRCLCTLDESVS 235
 Db 2126 VECFRKYACNDEYEEFAKRPRIITTEFTYAVARLKGPKAALFAKTYNLVPLQE-VPW 2184
 QY 236 ATWIDRIKRIHLKLSHRLALGVGRILE-SQYKVVALCAGSGSSVLOGVEADLY--LTGEM 292
 Db 2185 DRFVMDMKRDVAVTP-----GTHKTEERPRVQVIOAAEPLATAYLCGIRHELVRRLTAVL 2239
 QY 293 --SHDPLDAASQGINVILCEH 312
 Db 2240 LPNIHTLFDMSAEDFDALITAEH 2261

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